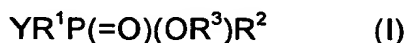


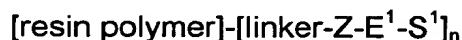
## Abstract

Combinatorial preparation of phosphorus-containing active compounds and  
 5 intermediates by solid phase synthesis

The invention relates to solid phase processes for the systematic preparation of  
 chemical compounds from the group of the phosphonous or phosphinic acids and/or  
 derivatives thereof and the corresponding substance libraries which can be  
 10 employed for test purposes, in particular tests for biological activity. The compounds  
 (I)



15 in which Y, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup> are as defined in Claim 1 are prepared by reacting a resin-  
 linker adduct (II)

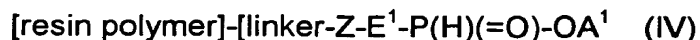


20 in the presence of a suitable Pd catalyst with a phosphinate (III)



with substitution of the group S<sup>1</sup> to give the compound (IV)

25



and cleaving the compound (I) after derivatization reactions on the resin from the  
 resin-linker adduct.

30

The invention also provides the intermediate steps and resin-linked intermediate  
 compounds, and also the substance libraries obtained.

09167351 "100798